

## REFERENCES

- Aas, K., Czado, C., Frigessi, A., & Bakken, H. (2009). Pair-copula constructions of multiple dependence. *Insurance: Mathematics and economics*, 44(2), 182-198.
- Abhakorn, P., Peter N. Smith and Michael R. Wickens. (2013). What do the FamaFrench factors add to C-CAPM? *Journal of Empirical Finance*, Vol.22, pp. 113-127.
- Abdallah, N. B., Mouhous-Voyneau, N., & Denoeux, T. (2014). Combining statistical and expert evidence using belief functions: Application to centennial sea level estimation taking into account climate change. *International Journal of Approximate Reasoning*, 55(1), 341-354.
- Abbas, Qaiser, et al. (2011). From regular-beta CAPM to downside-beta CAPM. *European Journal of Social Sciences* 21.2 : 189-203.
- Acerbi, C. and Tasche, D. (2002). Expected Shortfall: A Natural Coherent Alternative to Value at Risk. *Economic Notes*, 31(2), 329-338.
- Autchariyapanitkul, K., Chanaim, S. ,Sriboonchitta S.,and Denoeux,T. (2014). Predicting stock returns in the capital asset pricing model using quantile regression and belief functions. In Proceedings of the 3rd Int. Conf. on Belief functions (BELIEF 2014), Oxford, UK.Springer-Verlag.
- Autchariyapanitkul, K., Chainam, S. and Sriboonchitta, S. (2015). Quantile regression under asymmetric Laplace distribution in capital asset pricing model, *Econometrics of Risk* , Springer International Publishing, 583, pp. 219–231.
- Arellano-Valle, R.B.,Bolfarine, H. Iglesias, P.L. and Viviani,P.(2010). Portfolio selection: An application to the Chilean stock market. *Chilean Journal of Statistics*, Vol. 1, No. 2, 315.
- Arroyo, J., González-Rivera, G., & Maté, C. (2010). Forecasting with interval and histogram data. Some financial applications. *Handbook of empirical economics and finance*, 247-280.

Artzner, P., Delbaeu, F., Erber, J.M. and Heath D.(1998) “Coherent measures of Risk”.  
Mathematical Finance, 9, 203-228.

Bartholdy J. and Paula P.(2005) Estimation of expected return: CAPM vs. Fama and French. International Review of Financial Analysis, Vol. 14(4), pp. 407-427.

Barnes, L.M. and Hughes, W.A. (20020. A Quantile Regression Analysis of the Cross Section of Stock Market Returns. Federal Reserve Bank of Boston, working paper.

Bekiros, S., Hernandez, J. A., Hammoudeh, S., & Nguyen, D. K. (2015). Multivariate dependence risk and portfolio optimization: An application to mining stock portfolios. *Resources Policy*, 46, 1-11.

Billard, L., & Diday, E. (2000). Regression analysis for interval-valued data. In *Data Analysis, Classification, and Related Methods* (pp. 369-374). Springer Berlin Heidelberg.

Billard, L. (2007). Dependencies and variation components of symbolic interval-valued data. Selected Contributions in Data Analysis and Classification, pp.3-12.

Brechmann, E. C., & Czado, C. (2013). Risk management with high-dimensional vine copulas: An analysis of the Euro Stoxx 50. *Statistics & Risk Modeling*, 30(4), 307-342.

Burns, P. (2002). The quality of Value at Risk via univariate GARCH. Available at SSRN 443540.

Carranza, E. J. M., Woldai, T. and Chikambwe, E. M. (2005). Application of data-driven evidential belief functions to prospectivity mapping for aquamarine-bearing pegmatites, Lundazi district, Zambia. *Natural Resources Research*, 14(1), 47-63.

Carvalho, F.A.T. Neto, E.A.L. and Tenorio, C.P. (2012). A new method to fit a linear regression model for interval-valued data. *Lecture Notes in Computer Science*, 3238, pp.259-306.

Cattaneo, M.E.G.V. and Wiencierz, A. (2012). Likelihood-based imprecise regression. *International Journal of Approximate Reasoning*, 53, pp.1137-1154.

- Chang, Eric C, Cheng, Joseph W. and Khorna, Ajay. (2000).An Examination of Herd Behavior in Equity Markets: An International Perspective?, Journal of Banking and Finance, Vol. 24, pp. 1651-1679.
- Chen,W.S.C., Lin, S. and Yu, L.H.P. (2012).Smooth Transition Quantile Capital Asset Pricing Models with Heteroscedasticity. Computational Economics, 40, pp. 19-48.
- Chekhlov, A., Uryasev, S., and M. Zabarankin (2000). Portfolio Optimization with Drawdown Constraints”, Research Report 2000-5. ISE Dept., Univ. of Florida.
- Chochola, O., Hušková, M., Prášková, Z., & Steinebach, J. G. (2014). Robust monitoring of CAPM portfolio betas II. Journal of Multivariate Analysis, 132, 58-81.
- Choudary, K., and Choudhary, S. (2010). Testing Capital Asset Pricing Model: Empirical Evidences from Indian Equity Market. Eurasian Journal of Business and Economics, 3(6), 127-138.
- Czado, C., Brechmann, E. C., & Gruber, L. (2013). Selection of vine copulas. In *Copulae in Mathematical and Quantitative Finance* (pp. 17-37). Springer Berlin Heidelberg.
- Da, Z., Guo, R. J., & Jagannathan, R. (2012). CAPM for estimating the cost of equity capital: Interpreting the empirical evidence. Journal of Financial Economics, 103(1), 204-220.
- DJORIĆ, D., & NIKOLIĆ-DJORIĆ, E. (2011). Return distribution and value at risk estimation for BELEX15. Yugoslav Journal of Operations Research ISSN: 0354-0243 EISSN: 2334-6043, 21(1).
- Denoeux, T. (2013). Belief functions on infinite spaces [class handout].Faculty of economics,Chiang mai University,Chiang mai, Thailand.
- Denoeux, T. (2014). Likelihood-based belief function: Justification and some extensions to low quality data. International Journal of Approximate Reasoning, Volume 55, Issue53 7, 15-1547.

- Dempster, A. P.,(1967).Upper and lower probabilities induced by a multivalued mapping, Ann.Math. Stat. 38, 325-339.
- Diamond, P. (1990).Least square fitting of compact set-valued data. J. Math. Anal. Appl., 147, pp.531-544.
- De Melo Mendes, B. V., Semeraro, M. M., & Leal, R. P. C. (2010). Pair-copulas modeling in finance. *Financial Markets and Portfolio Management*, 24(2), 193-213.
- Emmanouil, K. N., & Nikos, N. (2012). *Extreme Value Theory and mixed Canonical vine Copulas on modelling energy price risks*. Working paper.
- Fabozzi, F. J., & Francis, J. C. (1977). Stability tests for alphas and betas over bull and bear market conditions. *The Journal of Finance*, 32(4), 1093-1099.
- Frikha, A. (2014). On the use of a multi-criteria approach for reliability estimation in belief function theory. *Information Fusion*, 18, 20-32.
- Galagedera, D. U. (2007). A review of capital asset pricing models. *Managerial Finance*, 33(10), 821-832.
- Grauer, R. and Johannus J.A. (2010).Cross-sectional tests of the CAPM and FamaFrench three-factor model. *Journal of Banking & Finance*, Vol. 34(2), pp. 457-470.
- Gil, M.A., Lubiano, M.A., Montenegro, M., and Lopez, M.T. (2002).Least squares fitting of an affine function and strength of association for interval-valued data. *Metrika*, 56, pp.97-101.
- G. González Rivera,W.Lin.(2013).Constrained regression for interval-valued data,J. Bus. Econ. Stat. 31(4), 473–490.
- Guegan,D. and Maugis, P.A, (2011) An Econometric Study of Vine Copulas. International Journal of Economic and Finance, 2(5), 2-14.
- Han, D., Tan, K. S., & Weng, C. (2014). Vine Copula Models with GLM and Sparsity.

Hofmann, M., & C. (2010). Assessing the VaR of a portfolio using D-vine copula based multivariate GARCH models. *Submitted for publication.*

Heinen, A., & Valdesogo Robles, A. (2009). Asymmetric CAPM dependence for large dimensions: the canonical vine autoregressive model (No. CORE Discussion Paper (2009/69)). Universidad Carlos III de Madrid.

He, L., & Hu, C. (2006, June). The stock market forecasting: An application of the interval measurement and computation. In *The 2nd Int. Conf. on Fuzzy Sets and Soft Comp. in Economics and Finance, St. Petersburg, Russia* (pp. 13-22).

Isa, M., Hassan, A., Puah, C. H., and Yong, Y. K. (2008). Risk and return nexus in Malaysian stock market: Empirical evidence from CAPM. Online at <http://mpra.ub.unimuenchen.de/12355/>

John Lintner. (1965).The Valuation of Risk Assets and the Selection of Risky Investments in Stock. *The Review of Economics and Statistics*. Vol. 47, No.1, pp. 13-37.

Joe, H. (1996). "Families of m-variate distributions with given margins and  $m(m-1)=2$  bivariate dependence parameters". In L. RÄuchendorf and B. Schweizer and M. D.Taylor (Ed.), *Distributions with Fixed marginals and Related Topics*.

Kanjanatarakul, O., Sriboonchitta, S., and Denoeux, T. (2014). Forecasting using belief functions:An application to marketing econometrics. *International Journal of Approximate Reasoning*, 55(5), 1113-1128.

Kent, L.W. and Zhang, Y.(2003). Understanding risk and return, the CAPM, and the Fama-French three-factor model. *Tuck Case 03-111*.

Klepper, S., & Leamer, E. E. (1984). Consistent sets of estimates for regressions with errors in all variables. *Econometrica: Journal of the Econometric Society*, 163-183.

Körner, R. and Näther, W. (1998). Linear regression with random fuzzy variables: extended classical estimates, best linear estimates, least squares estimates. *Information Sciences*, 109, pp.95- 118.

- Lintner, J. (1965).The valuation of risk assets and the selection of risky investments in stock portfolios and capital budgets. *Review of Economics and Statistics*, 47(1), pp.12-37.
- Levy, R.A. (1974): “Beta Coefficients as Predictors of Returns.” *Financial Analysts Journal*, January-February, 61-69.
- Linden, M. (2001).A Model for Stock Return Distribution. *International Journal of Finance and Economics*, 6:159-169.
- Liu, Z. G., Pan, Q., Dezert, J., and Mercier, G. (2014). Credal classification rule for uncertain data based on belief functions. *Pattern Recognition*, 47(7), 2532-2541.
- Liu, J., Sriboonchitta, S., & Denoeux, T. (2014). Economic forecasting based on copula quantile curves and beliefs. *Thai Journal of Mathematics*, 25-38.
- Liu, L., Shenoy, C., & Shenoy, P. P. (2002, August). A linear belief function approach to portfolio evaluation. In *Proceedings of the Nineteenth conference on Uncertainty in Artificial Intelligence* (pp. 370-377). Morgan Kaufmann Publishers Inc.
- Low, R. K. Y., Alcock, J., Faff, R., & Brailsford, T. (2013). Canonical vine copulas in the context of modern portfolio management: Are they worth it?. *Journal of Banking & Finance*, 37(8), 3085-3099.
- Maia, A. L. S., de Carvalho, F. D. A., & Ludermir, T. B. (2008). Forecasting models for interval-valued time series. *Neurocomputing*, 71(16), 3344-3352.
- Masood, S., Saghir, G., and Muhammad,W. (2012). The Capital Asset Pricing Model: Empirical Evidence from Pakistan. Online at <http://mpra.ub.uni-muenchen.de/41961/>
- Manski, C.F. and Tamer, T. (2002).Inference on regressions with interval data on a regressor or outcome. *Econometrica*, 70, pp.519-546.
- Miller, J., D. and Liu, W. (2006). Improved estimation of portfolio value-at-risk under copula models with mixed marginal. *Journal of Futures Markets*, 26, 997–1018

- Mukherji S. (2011).The capital asset pricing model's risk-free rate, International Journal of Business and Finance Research, 5,793-808.
- Moussa, A. M., Kamdem, J. S., Shapiro, A. F., & Terraza, M. (2014). CAPM with fuzzy returns and hypothesis testing. *Insurance: Mathematics and Economics*, 55, 40-57.
- McBurney, P., Parsons, S., & Green, J. (2002). Forecasting market demand for new telecommunications services: an introduction. *Telematics and Informatics*, 19(3), 225-249.
- Nampak, H., Pradhan, B., and Manap, M. A. (2014). Application of GIS based data driven evidential belief function model to predict groundwater potential zonation. *Journal of Hydrology*, 513, 283-300.
- Neto, E.A.L and Carvalho, F.A.T.(2008). Centre and range method for fitting a linear regression model to symbolic interval data. *Computational Statistics & Data Analysis*, 52, pp.1500-1515.
- Nikolaos, L. (2009). An empirical evaluation of CAPM?s validity in the British stock exchange. *International Journal of Applied Mathematics and Informatics*, 3(1), 1-8.
- Papavassiliou, V. G. (2013). A new method for estimating liquidity risk: Insights from a liquidity-adjusted CAPM framework. *Journal of International Financial Markets, Institutions and Money*, 24, 184-197.
- Pearl, J. (1990). Reasoning with belief functions: an analysis of compatibility. *International Journal of Approximate Reasoning*, 4(5), 363-389.
- Pflug, Ch., G. (2000). Some Remarks on the Value-at-risk and the conditional value-at-risk, *Probabilistic Constrained Optimization*, 49, 272–281.
- Prukumpai, S. (2015). Time-varying Industrial Portfolio Betas under the Regime-switching Model: Evidence from the Stock Exchange of Thailand. *Applied Economics Journal*, 22(2), 54-76.

- Reboredo, Juan C., and Andrea Ugolini. (2015). A vine-copula conditional value-at-risk approach to systemic sovereign debt risk for the financial sector. *The North American Journal of Economics and Finance* 32: 98-123.
- Rockafellar, R.T. and Uryasev, S. (2000). Optimization of conditional Value-at-risk. *Journal of Risk*, 2, 21-41.
- Rockafellar, R.T. and Uryasev, S. (2002). Conditional Value-at-risk for general loss. *Distribution. Journal of Banking & Finance*, 26, 1443–1471.
- Sarykalin, S., Serraino, G., & Uryasev, S. (2008). Value-at-risk vs. conditional value-at-risk in risk management and optimization. *Tutorials in Operations Research. INFORMS, Hanover, MD*, 270-294.
- Schirmacher, D., & Schirmacher, E. (2008). *Multivariate dependence modeling using pair-copulas* (pp. 14-16). Technical report.
- Sethapramote, Yuthana, Suthawan Prukumpai, and Tiwa Kanyamee.(2014). "Evaluation of Value-at-Risk Estimation Using Long Memory Volatility Models: Evidence from Stock Exchange of Thailand." Available at SSRN 2396531.
- Shalit, H., and Yitzhaki, S. (2002). Estimating beta. *Review of Quantitative Finance and Accounting*, 18(2), 95-118.
- Shafer, G. (1976). *A Mathematical Theory of Evidence*, Princeton University Press, Princeton,NJ.
- Shenoy, C. and Shenoy, P. P. (2002). Modeling financial portfolios using belief functions, in R. P. Srivastava and T. Mock (Eds.), *Belief Functions in Business Decisions*, Physica-Verlag, Heidelberg, 316 -332.
- Sharpe, William F. (1964). "Capital Asset Prices ? A Theory of Market Equilibrium Under Conditions of Risk". *Journal of Finance* XIX (3): 425-442.
- So, M. K., & Yeung, C. Y. (2014). Vine-copula GARCH model with dynamic conditional dependence. *Computational Statistics & Data Analysis*, 76, 655-671.

- Srivastava, R. P., & Mock, T. J. (1999). Evidential reasoning for WebTrust assurance services. *Journal of Management Information Systems*, 16(3), 11-32.
- Srivastava, R. P., & Datta, D. K. (2002). Evaluating mergers and acquisitions: A belief function approach. In *Belief Functions in Business Decisions* (pp. 222-251). Physica-Verlag HD
- Sriboonchitta, S., Nguyen, H.T., Wiboonpongse, A., and Liu, J. (2013). Modeling Volatility and dependency of agricultural price and production indices of Thailand: Static versus time varying copulas. *International Journal of Approximate Reasoning*, 54, 793–808.
- Tsai, Hsiu-Jung, Ming-Chi Chen, and Chih-Yuan Yang. (2014). A time-varying perspective on the CAPM and downside betas.” International Review of Economics & Finance 29: 440-454.
- Xiong, T., Bao, Y., & Hu, Z. (2014). Multiple-output support vector regression with a firefly algorithm for interval-valued stock price index forecasting. *Knowledge-Based Systems*, 55, 87-100.
- Xu, Y., Wu, L., Wu, X., & Xu, Z. (2014, September). Belief Fusion of Predictions of Industries in China’s Stock Market. In *International Conference on Belief Functions* (pp. 348-355). Springer International Publishing.
- Y. Sun and C. Li. (2015). Linear regression for interval-valued data: a new and comprehensive model,under review. arXiv: 1401.1831, 2015.
- Zabarankin, Michael, Konstantin Pavlikov, and Stan Uryasev. (2014)”Capital asset pricing model (CAPM) with drawdown measure.” European Journal of Operational Research 234.2: 508-517.
- Zhang, P., and Meng, X. (2013). The market application analysis of CAPM model in China’s securities. In 2nd International Conference On Systems Engineering and Modeling (ICSEM-13). Atlantis Press.

Zhang, Bangzheng, et al. (2014). Forecasting VaR and ES of stock index portfolio: A Vine copula method. *Physica A: Statistical Mechanics and its Applications* 416 : 112-124.

Zabarankin, M., Pavlikov, K., & Uryasev, S. (2014). Capital asset pricing model (CAPM) with drawdown measure. *European Journal of Operational Research*, 234(2), 508-517



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